

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

38509-0011US1

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

10/0506409

INTERNATIONAL APPLICATION NO.

PCT/US03/05730

INTERNATIONAL FILING DATE

28 February 2003 (28.02.2003)

PRIORITY DATE CLAIMED

01 March 2002 (01.03.02)

TITLE OF INVENTION

**MULTIVARIATE RANDOM SEARCH METHOD WITH MULTIPLE STARTS AND EARLY STOP FOR
IDENTIFICATION OF DIFFERENTIALLY EXPRESSED GENES BASED ON MICROARRAY DATA**

APPLICANT(S) FOR DO/EO/US

Ashot CHILINGARIAN, Aniko SZABO, and David JONES

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☒ has been transmitted by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not transmitted by the International Bureau).
 - b. ☐ had been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20. below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included
13. ☐ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4)
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Forms: PCT/IB/301, PCT/IPEA/401, PCT/IB/308, PCT/ISA/210, PCT/IPEA/402, PCT/IB/332, and Application Data Sheet

To be assigned
107506409

PCT/US03/05730

38509-0011US1

21. ☒ The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1)-(5)):**

Neither international preliminary examination fee (37 CFR 1.482)
nor international search fee (37 CFR 1.445(a)(2) paid to USPTO
and International Search Report not prepared by the EPO or JPO.....\$1080.00

International preliminary examination fee (37 CFR 1.482) not paid to
USPTO but International Search Report prepared by the EPO or JPO.....\$920.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but
international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$770.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)
but all claims did not satisfy provisions of PCT Article 33(1)-(4).....\$730.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)
and all claims satisfied provisions of PCT Article 33(1)-(4).....\$100.00

CALCULATIONS PTO USE ONLY**ENTER APPROPRIATE BASIC FEE AMOUNT =****\$ 730.00**Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	18-20 =	0	x \$ 18.00
Independent claims	3-3 =	0	x \$ 86.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$290.00

TOTAL OF ABOVE CALCULATIONS =**\$ 730.00**☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above
are reduced by 1/2.**\$****SUBTOTAL =****\$ 730.00**Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(f)).**TOTAL NATIONAL FEE =****\$ 730.00**Fee for recording the enclose assignment (37 CFR 1.21(h)). The assignment must be
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +**\$****TOTAL FEES ENCLOSED =****\$ 730.00****Amount to be
refunded:****\$****charged:****\$**a. ☒ A check in the amount of **\$ 730.00** To cover the above fees is enclosed.b. ☐ Please charge my Deposit Account No. **08-1641** In the amount of **\$** to cover the above fees.

A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpaymentTo Deposit Account No. **08-1641** A duplicate copy of this sheet is enclosed.**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b))
must be filed and granted to restore the application to pending status.****SEND ALL CORRESPONDENCE TO:**

Paul M. Booth
HELLER EHRMAN WHITE & MCAULIFFE
1666 K Street, N.W., Suite 300
Washington, DC 20006
Phone: (202) 912-2000
Fax: (202) 912-2020

SIGNATURE

NAME

Paul M. Booth

REGISTRATION NUMBER

40,244

September 1, 2004

Date

Customer No. 26633